

What is claimed is:

1. An apparatus and method for reproducing video signals having a function for decoding and reproducing video signals that are recorded in a compressed manner, and for intermittently updating and fetching the decoded video signals for every predetermined period of time in a unit of a frame, said device comprising:

storage means for storing one or plural frames of said video signals;

plural weighting means for multiplying said fetched video signals and/or the video signals stored in said storage means by their respective coefficients; and

adder means for adding up the output signals of said plural weighting means;

wherein said fetched video signals are gradually replaced and are output.

2. An apparatus and method for reproducing video signals according to claim 1, further comprising:

plural weighting means for multiplying said fetched video signals and the video signals stored in said storage means by their respective coefficients; and

a passage for feeding the added signals of said adder means to said storage means, and a passage for outputting the added signals of said adder means.

3. An apparatus and method for reproducing video signals according to claim 1, wherein:

    said storage means successively stores said fetched video signals;

    said device further comprising:

        plural weighting means for multiplying the video signals of the plural frames stored in said storage means by their respective coefficients; and

        a passage for outputting the added signals of said adder means.

4. An apparatus and method for reproducing video signals according to claim 1, further comprising:

    control means for controlling the coefficients of said weighting means;

wherein,

    the time for replacing the fetched video signals is controlled.

5. An apparatus and method for reproducing video signals according to claim 1, wherein said storage means stores said video signals in a unit of a frame or in a unit of a field.

6. An apparatus and method for reproducing video signals according to claim 1, further comprising:

    a noise-reducing circuit for reducing the noise by comparing the frames before and after the video signal;

wherein,

a storage unit provided in said noise-reducing circuit is used as said storage means.

7. An apparatus and method for reproducing video signals according to claim 1, further comprising:

an encoder circuit for compressing said video signals; wherein,

a storage unit provided in said encoder circuit is used as said storage means.

8. An apparatus and method for reproducing video signals according to claim 1, wherein said fetched video signals are gradually replaced and output at the time of reproducing the video signals in a time series different from that of during the recording, said video signals being recorded in a compressed manner.

9. An apparatus and method of reproducing video signals having a function for decoding and reproducing video signals that are recorded in a compressed manner, and for intermittently updating and fetching the decoded video signals for every predetermined period of time in a unit of a frame, said method comprising the steps of:

storing one or plural frames of said video signals in a storage means;

effecting the weighting using plural weighting means by

multiplied said fetched video signals and/or the video signals stored in said storage means by their respective coefficients; adding up the output signals of said plural weighting means through adder means; and gradually replacing and outputting said fetched video signals.

10. An apparatus and method for reproducing video signals according to claim 9, further comprising the step of: controlling the coefficients of said weighting means by control means; wherein the time for replacing the fetched video signals is controlled.

11. An apparatus and method for reproducing video signals according to claim 9, further comprising the step of: reducing the noise by a noise-reducing circuit which reduces the noise by comparing the frames before and after the video signal; wherein, a storage unit provided in said noise-reducing circuit is used as said storage means.

12. An apparatus and method for reproducing video signals according to claim 9, wherein said fetched video signals are gradually replaced and output at the time of reproducing the video signals in a time series different from that of during the recording, said video signals being recorded in a compressed manner.